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PTO/SB/05 (4/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 C. F. R. § 1.53(b))	Attorney Docket No. 5601-128
	First Inventor or Application Identified Hongy Lin et al.
	Title POWER ADAPTER FOR NOZZLE HEATER AND TERMINATION METHOD FOR THICK FILM RESISTANCE HEATER
Express Mail Label No. EL350306281US	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington DC 20231
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<p>1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Specification [Total Pages 21] (preferred arrangement set forth below)</p> <ul style="list-style-type: none">- Descriptive title of the Invention- Cross References to Related Applications- Statement Regarding Fed sponsored R & D- Reference to Microfiche Appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 6]</p> <p>4. Oath or Declaration [Total Pages 3]</p> <p>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 16 completed)</p> <p>i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).</p> <p>*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENTS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).</p>	<p>5. <input type="checkbox"/> Microfiche Computer Program (Appendix)</p> <p>6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <p>a. <input type="checkbox"/> Computer Readable Copy</p> <p>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</p> <p>c. <input type="checkbox"/> Statement verifying identity of above copies</p>
ACCOMPANYING APPLICATION PARTS	
<p>7. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>8. <input checked="" type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)</p> <p>9. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>10. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations</p> <p>11. <input type="checkbox"/> Preliminary Amendment</p> <p>12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>* Small Entity</p> <p>13. <input type="checkbox"/> Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)</p> <p>14. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>15. <input type="checkbox"/> Other: _____</p>	

16. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment.,

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label ☐ Correspondence address below

(Insert Customer No or Attach bar code label here): _____

Name					
Address					
City	State	Zip Code			
Country	Telephone	Fax			

Name (Print/Type)	Matthew A. Rosenberg	Registration No. (Attorney/Agent)	40,149
Signature	<i>Matthew A. Rosenberg</i>	Date	June 16, 2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Correspondent Name and Address

Area Code and Telephone Number (314) 231-6700

Name Matthew A. Rosenberg

Address (line 1) One City Centre - 24th Floor

Address (line 2) 515 North Sixth Street

Address (line 3) St. Louis, Missouri 63101-2409

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

3

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
06/14/2000

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number PCT
has not been assigned.PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:
Deposit AccountEnclosed ☒ Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

03-0942

Authorization to charge additional fees:

Yes ☒ No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Matthew A. Rosenberg

Name of Person Signing

Signature

06/16/2000

Date

FEE TRANSMITTAL

Patent fees are *subject* to annual revision on October 1.
These are the fees effective October 1, 1997.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$) 1086

Complete if Known

Application Number
Filing Date June 16, 2000
First Named Inventor Hongy Lin et al.
Examiner Name
Group /Art Unit
Attorney Docket No. 5608-128

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 03-0942
Deposit Account Name Herzog, Crebs & McGhee, LLP

- ☒ Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed:
☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 790 201 395		Utility filing fee	690
106 330 206 165		Design filing fee	0
107 540 207 270		Plant filing fee	0
108 790 208 395		Reissue filing fee	0
114 150 214 75		Provisional filing fee	0
SUBTOTAL (1)			690

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
42	-20** = 22	X 18 =	396
2	-3** = 0	X 78 =	0
Multiple Dependent			

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 22 203 11		Claims in excess of 20
102 82 202 41		Independent claims in excess of 3
104 270 204 135		Multiple dependent claim, if not paid
109 82 209 41**		Reissue independent claims over original patent
110 22 210 11**		Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 396

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130 205 65		Surcharge - late filing fee or oath	
127 50 227 25		Surcharge - late provisional filing fee or cover sheet.	
139 130 139 130		Non-English Specification	
147 2,520 147 2,520		For filing a request for reexamination	
112 920* 112 920*		Requesting publication of SIR prior to Examiner action	
113 1,840* 113 1,840*		Requesting publication of SIR after Examiner action	
115 110 215 55		Extension for reply within first month	
116 400 216 200		Extension for reply within second month	
117 950 217 475		Extension for reply within third month	
118 1,510 218 755		Extension for reply within fourth month	
128 2,060 228 1,030		Extension for reply within fifth month	
119 310 219 155		Notice of Appeal	
120 310 220 155		Filing a brief in support of an appeal	
121 270 221 135		Request for oral hearing	
138 1,510 138 1,510		Petition to institute a public use proceeding	
140 110 240 55		Petition to revive - unavoidable	
141 1,320 241 660		Petition to revive - unintentional	
142 1,320 242 660		Utility issue fee (or reissue)	
143 450 243 225		Design issue fee	
144 670 244 335		Plant issue fee	
122 130 122 130		Petitions to the Commissioner	
123 50 123 50		Petitions related to provisional applications	
126 240 126 240		Submission of Information Disclosure Stmt	
581 40 581 40		Recording each patent assignment per property (times number of properties)	
146 790 246 395		Filing a submission after final rejection (37 CFR 1.129(a))	
149 790 249 395		For each additional invention to be examined (37 CFR 1.1 29(b))	
Other fee (specify)			
Other fee (specify)			
Reduced by Basic Filing Fee Paid			
SUBTOTAL (3)			0

SUBMITTED BY

Typed or Printed Name Matthew A. Rosenberg

Signature

Matthew A. Rosenberg

Date 6/16/00

Complete (if applicable)

Reg. Number 40,149

Deposit Account User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

CERTIFICATE MAILING BY "EXPRESS MAIL" CFR 1.10)

In re Application of: Hongy Lin et al.
For: POWER ADAPTER FOR NOZZLE HEATER AND TERMINATION METHOD
FOR THICK FILM RESISTANCE HEATER
Serial No.: _____
Filed: June 16, 2000
Examiner: _____
Group Art Unit: _____

jc858 U.S. PTO
09/595951
06/16/00

I hereby certify that this

Utility Patent Application Transmittal;
Fee Transmittal;
Application Fee;
Application;
Declaration / Power of Attorney;
Assignment and Recordation;
Certificate under 37 C.F.R. § 3.73(b); and
Information Disclosure Statement and References

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231
on June 16, 2000
(Date)

Matthew A. Rosenberg
(Typed or Printed Name of Person Mailing Correspondence)


(Signature of Person Mailing Correspondence)

EL350306281US
(“Express Mail” Mailing Label Number)

0091791075656560

CERTIFICATE UNDER 37 CFR 3.73(b)

Applicant: Hongy Lin et al.

Application No.: _____ Filed: herewith

Entitled: POWER ADAPTER FOR NOZZLE HEATER AND TERMINATION METHOD FOR THICK FILM RESISTANCE HEATER

Watlow Electric Manufacturing Company, a Missouri corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is:

1. ☒ the assignee of the entire right, title, and interest-, or
2. ☐ an assignee of an undivided part interest

in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

June 14, 2000
Date

Louis P. Steinhäuser
Signature

Louis P. Steinhäuser

Typed or printed name

Director of Corporate R & D

Title